

REMARKS

The following paragraph numbers correspond to the same paragraph numbers in the subject Office Action.

3. Information Disclosure Statement

References listed in the specification were submitted to the examiner on a form PTO/SB/08a,b and are already in the examiner's file as well as the additional reference US-6,553,396 found by the examiner.

4.,5. Arrangement of the Specification

In the arrangement of the specification as provided in 37 CFE 1.77(b), the referenced sections included in the enclosures are

(a)TITLE OF THE INVENTION

(b)CROSS-REFERENCE TO RELATED APPLICATIONS

(c)STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR
DEVELOPMENT

(d)THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT

(e)INCORPORATION BY REFERENCE OF MATERIAL SUBMITTED ON A
COMPACT DISC,

(k)SEQUENCE LISTING,

the referenced sections included in the amended substitute specification in the enclosures are

(f)BACKGROUND OF THE INVENTION

(1) Field of the Invention

(2) Description of Related Art including information
Disclosed under 37 CFR 1.97 and 1.98

(g)BRIEF SUMMARY OF THE INVENTION

(h)BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

(i)DETAILED DESCRIPTION OF THE INVENTION,

the referenced section included in the amended abstract in the enclosures is

(j)ABSTRACT OF THE DISCLOSURE

and the section DRAWINGS AND PERFORMANCE DATA is in the examiner's file.

6.,7. Claim Rejections - 35 USC § 112

In response to the non-final Office Action dated 10/29/2007, claims 10 and 12 are amended for consideration by the Office. It is believed that amended claims 10 and 12 are supported by the application as filed and no new matter has been added. It is also believed that these amended claims conform to 35 U.S.C. 112 requirements and to USPTO requirements and guidelines, and were written with the guidance of a USPTO approved patent attorney, Thomas A. Runk, Reg. Mo. 30,679.

Claim 10 is amended to include equations 11, 18 as required by the examiner. Equation 20 was deleted since it is believed to be redundant. The beginning terms ψ_{k_0} of equation 11 have not been included in the claim because the support is provided by claims 7 and 8 already.

Claim 12 is amended to refer to applications of claim 10 which allows the sections referring to equations 11, 18, 20 to be deleted since they are provided by claim 10.

Additional amendments

The amended substitute specification provides clarification and correction to obvious typographical errors. The abstract has been amended only for the purpose of providing clarification of the observation "LS" by adding the explanatory words "least squares".

The following is an explanation of amendments made to the specification. No new material has been added in any of the following amendments.

<u>Amendment</u>	<u>Support</u>
Page 4, lines 4,6,10	Spelling corrections
Page 6. Lines 15-16	Explanation of "dc"
Page 39 line 34	Explanation of "orthonormal"
Page 10 lins 14-15	Spelling correction
Page 10 line 7	Punctuation correction
Page 10 lines 19-20,23	Correction of my mistake since the examples are BEM and SAR whose performance is given in figures 7 and 8 respectively
Page 12 lines 25-26	"dc" has been explained in page 5
Page 14 line 8	Grammatical correction
Page 16 lines 10-11	Spelling correction
Page 17 line 5	Spelling correction
Page 19 line 15	Removing grammatical redundancy
Page 20 line 25	Clarifying the expression " $2^p:1$ "
Page 22 line 14	Clarifying the operator "~"
Page 25 lines 2,8	Removing redundant words
Page 27 lines 29,30	Correcting the definition of the LS metrics to correspond to equation 23

Page 34 lines 2,18	Spelling correction
Page 34 line 26	Correcting the figure number
Page 35 lines 6-8	This additional text is fully supported by page 34, lines 10-14, as originally filed
Page 35 line 13	Correcting the figure number
Page 35 lines 25-27	This additional text is fully supported by page 34, lines 10-14, as originally filed
Page 35 line 32	Correcting the figure number

Thanks for all of your help and guidance.

Sincerely,



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